

Application No. 09/749,005
Amendment B dated October 13, 2003
Reply to Office Action of June 12, 2003

AMENDMENTS TO THE SPECIFICATION

In the paragraph beginning on line 5 of page 9, please delete the word "a" as reflected in the following marked-up version of the paragraph:

Embodiments within the scope of the present invention also include computer-readable media for carrying or having computer-executable instructions or data structures stored thereon. Such computer-readable media can be any available media which can be accessed by a general purpose or special purpose computer. By way of example, and not limitation, such computer-readable media can comprise RAM, ROM EEPROM, CD-ROM or other optical disk storage, magnetic disk storage or other magnetic storage devices, or any other medium which can be used to carry or store desired program code means in the form of computer-executable instructions or data structures and which can be accessed by a general purpose or special purpose computer. When information is transferred or provided over a network or another communications connection (either hardwired, wireless, or a combination of hardwired or wireless) to a computer, the computer properly views the connection as a computer-readable medium. Thus, any such [[a]] connection is properly termed a computer-readable medium. Combinations of the above should also be included within the scope of computer-readable media. Computer-executable instructions comprise, for example, instructions and data which cause a general purpose computer, special purpose computer, or special purpose processing device to perform a certain function or group of functions.

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In the paragraph beginning on line 17 of page 14, please replace 214 with 204 as reflected in the following marked-up version of the paragraph:

In a typical search where the content index 210 does not include scope restrictions or other identifiers, the keys 212 are used to identify the document identifiers 214. Even though the documents are identified, their location within the store 200 is unknown. The locations or Uniform Resource Locators (URLs) of the documents in the store 200 are stored in the document properties 215. In other words, the property store ~~[[214]]~~ 204 links the document identifiers 214 to the document properties 215. In order to actually locate the documents identified by the document identifiers 214, the property store ~~[[215]]~~ 204 must be accessed and queried for the location of each document or search result. Another identifier that is used to locate a document in the store 214 is the combination of a folder identifier (FID) and a message identifier (MID). The binary structure of the FID and the MID allows a particular message in a mail store to be found very quickly.

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In the paragraph beginning on line 4 of page 15, please replace 214 with 204 as reflected in the following marked-up version of the paragraph:

As previously indicated, this can be a lengthy task in certain circumstances. For example, if a user is searching for documents within a particular folder on the store 200, then the document properties 215 must be accessed for both the location of the document as well as which folder each document is in. Because the content index 214 only maintains the document identifies 214, the property store ~~[[215]]~~ 204 is randomly accessed to determine these values for each document identifier provided from the content index 210. In other words, the organization of the document identifiers 214 does not usually correspond to the organization of the document properties 215. For this reason, the property store is accessed randomly for the document identifiers 214 identified from the content index 210. If the number of document identifiers 214 is large, then the process of identifying those documents that are specific to a particular folder can consume significant processing time. Because the property store is accessed randomly, the search engine may actually have to access a disk for each search result instead of memory. Accessing a disk is very slow hen compared to accessing memory.